

<http://dx.doi.org/10.11646/zootaxa.3786.1.9>

<http://zoobank.org/urn:lsid:zoobank.org:pub:7193211F-9C3C-4650-8836-6F938B48FD06>

## A taxonomic note on *Homorosoma horridulum* Voss, 1958 (Coleoptera: Curculionidae), with new records from Taiwan

BORIS A. KOROTYAEV<sup>1</sup>, HIRAKU YOSHITAKE<sup>2,4</sup> & JUNHAO HUANG<sup>3</sup>

<sup>1</sup>Zoological Institute, Russian Academy of Sciences, St. Petersburg 199034, Russia. E-mail: baris@zin.ru

<sup>2</sup>Natural Resources Inventory Center, National Institute for Agro-Environmental Sciences, Kannondai 3-1-3, Tsukuba, Ibaraki 305-8604, Japan. E-mail: zoumushi@niaes.affrc.go.jp

<sup>3</sup>Institute of Forestry Protection, School of Forestry and Biotechnology, Zhejiang A & F University, 88 Huancheng Beilu, Linan, Hangzhou, Zhejiang 311300, China. E-mail: huangjh@zafu.edu.cn

<sup>4</sup>Corresponding author

*Homorosoma horridulum* Voss 1958 (Curculionidae: Ceutorhynchinae) was described from Kuatun, China, based on two specimens in the J. Klapperich collection. Since that time it has been uninvestigated for more than half a century, except by Colonnelli (2004), who listed it in his world catalogue of the subfamily. The recent examination of the holotype of *H. horridulum* revealed that it should be placed in the genus *Scleropteroides* Colonnelli 1979. In addition, *Scleropteroides* specimens from Taiwan agree well with the holotype of *H. horridulum* not only in general appearance but also in male genital structures. Here we transfer *Homorosoma horridulum* Voss 1958 to the genus *Scleropteroides* Colonnelli 1979 as *Scleropteroides horridulus* (Voss 1958) and record the species from Taiwan for the first time. Depositories of specimens examined are abbreviated as follows: CMNC: Canadian Museum of Nature, Ottawa; CWOB: C.W. O'Brien collection, Green Valley, Arizona, USA; EUMJ: Laboratory of Environmental Entomology, Faculty of Agriculture, Ehime University, Matsuyama, Japan; NIAES: National Institute for Agro-Environmental Sciences, Tsukuba, Japan; SMNH: Swedish Museum of Natural History, Stockholm, Sweden; and ZIN: Zoological Institute, Russian Academy of Sciences, St. Petersburg, Russia. Before going further, we wish to express our cordial thanks to R. S. Anderson, François Génier (CMNC), H. Kojima (Tokyo University of Agriculture), M. Sakai (Ehime University), C.W. O'Brien, and B. Viklund (SMNH) for the loan or donation of specimens examined. The first author thanks the late P. Lindskog (SMNH) for the help during his first visit to Stockholm. The study by the first author was supported by Grant No 13-04-01002 from the Russian Foundation for Basic Research.

### *Scleropteroides horridulus* (Voss 1958), comb. nov.

*Homorosoma horridula* Voss 1958: 67 (type locality: China, “Kuatun”) (incorrect original spelling).

*Homorosoma horridulum*: Colonnelli 2004: 34 (catalogued; China, Japan) (mandatory correction, gender agreement).

**Specimens examined.** CHINA: FUJIAN. Holotype, male, “Kuatun, Fukien, China, 4.5.46 (Tschung Sen,)” (printed, date written in ink); “Type *Homorosoma horridula* det. Voss, n. sp.” (red; “Type” printed); “*horridula* Voss” (typed on a narrow white label); “4901 E91 +” (printed blue label); “Naturhistoriska Riksmuseet Stockholm, loan no 844/06” (SMNH). TAIWAN. 4 males, Taichung Co., Wushikan Forest Research Station, 3-VI-1997, C. W. and L. B. O'Brien (CWOB, ZIN). 1 female, Hualien Co., Piluchi Forest Research Station, 2100 m, 26-V-1997, C. W. and L. B. O'Brien (CWOB). 1 male, Nantou, Sungkan–Meifeng, 25–26-V-1972, M. Sakai (EUMJ). 1 male and 1 female, Nantou, Nanshanchi, 20–23-III-1995, H. Kojima and M. Suehiro (NIAES). 1 male, Mt. Guandaoshan, 16-V-1986, I. Matoba (NIAES). 1 male, Taoyuan, Mt. Daguanshan, 4-IV-1991, H. Kojima (NIAES). 1 male and 4 females, Maifeng, 2150 m, 26-IV-1983, H. Townes (CMNC, ZIN). 3 males, 1 female, as above, but 10-V-1983 (CMNC, ZIN). 1 female, as above, but 15-V-1983 (CMNC). 1 male and 1 female, Wushe, 1150 m, 29-IV-1983, H. Townes (CMNC).

**Distribution.** China (Fujian, Taiwan – new record), Japan.

**Comments.** The holotype of *Homorosoma horridula* was dissected and remounted by the first author on a card. It is in good condition except that the right hind leg is missing and the two apical ventrites of the abdomean are detached and

glued on the card with the specimen. After a short treatment with a cold 10% KOH the aedeagus was placed in a microvial with glycerol and pinned with the holotype. No type (or any other) material was found by the first author in the A. Koenig Museum in Bonn in 2000. Until the present paper, *Scleropterooides* was considered a monotypic genus including *S. hypocrita* (Hustache 1916), which is known to occur in South Korea and Japan (Morimoto 1989; Korotyaev & Hong 2004; Yoshitake *et al.* 2004). *Scleropterooides horridulus* clearly differs from *S. hypocrita* mainly in having the longer scales on the elytra and the male aedeagus with a truncate apex, but it is very similar in general appearance to *S. insularis* (Voss) treated by Colonnelli (2004) as a junior synonym of *S. hypocrita*. A revision of *Scleropterooides* (Huang *et al.* in preparation) will elucidate species distinctions within the genus.

## References

Colonnelli, E. (2004) *Catalogue of Ceutorhynchinae of the World, with a Key to Genera (Insecta: Coleoptera: Curculionidae)*. Argania Editio, Barcelona, Spain, 124 pp.

Hustache, A. (1916) Synopsis des Ceuthorrhynchini du Japon. *Annales de la Société Entomologique de France*, 85, 107–144.

Korotyaev, B.A. & Hong, K.J. (2004) A revised list of the weevil subfamily Ceutorhynchinae (Coleoptera; Curculionidae) of the Korean fauna, with contribution to the knowledge of the fauna of neighbouring countries. *Journal of Asia-Pacific Entomology*, 7, 143–169.  
[http://dx.doi.org/10.1016/s1226-8615\(08\)60211-3](http://dx.doi.org/10.1016/s1226-8615(08)60211-3)

Morimoto, K. (1989) Curculionidae. In: Hirashima, Y. (Ed.), *A Checklist of Japanese Insects*. Kyushu University, Fukuoka, Japan, pp. 498–525.

Voss, E. (1958) Ein Beitrag zur Kenntnis der Curculioniden im Grenzgebiet der orientalischen zu paläarktischen Region (Col., Curc.). Die von J. Klapperich und Tschung Sen in der Provinz Fukien gesammelten Rüsselkäfer. *Decheniana Beihefte*, 5, 1–139.

Yoshitake, H., Kojima, H. & Morimoto, K. (2004) Subfamily Ceutorhynchinae. In: Kojima, H. & Morimoto, K. (Eds.), An online checklist and database of the Japanese weevils (Insecta: Coleoptera: Curculionoidea) (excepting Scolytidae and Platypodidae). *Bulletin of the Kyushu University Museum*, 2, pp. 33–147.